

AMENDMENTS TO THE SPECIFICATION

Please replace the Title of the Invention with the following title:

--Digital Reception Apparatus for Removing Distortion from Received Signals--

Please replace the Abstract of the Invention with the following abstract:

--A digital reception apparatus includes a receiver that processes a received signal and a distortion corrector that corrects a non-linear distortion of the processed received signal, introduced by the receiver. The receiver may include an amplifier, a quadrature demodulator and/or a quantizer. The distortion corrector includes a distortion estimator that estimates the distortion and outputs a correcting signal based on an inverse distortion characteristic of the receiver, and a distortion compensator that multiplies the received signal and the correcting signal to remove the non-linear distortion from the received signal, to obtain a corrected received signal. The corrected signal is output to a demodulator, which performs demodulation processing on the corrected signal, and thereby obtains a demodulated signal.--

Please replace the last full paragraph beginning on page 89 of the specification (page 89, line 14, to page 90, line 1) with the following paragraph:

--Linear compensation calculating section 1201 is mainly composed of filter calculating section 1202 and linearly compensating section 1203. Filter calculating section 1202 receives its inputs the non-linear quantized code 950 and filter coefficient signal 1250. Filter calculating section 1202 performs the filter calculation to the non-linear quantized code 950 using the filter coefficient signal 1250. A calculated signal ~~1250~~ 1251 is obtained by the filter calculation. The obtained calculated signal 1251 is linearized by linearly compensating section 1203, and then output to demodulating section 104 as a linearly calculated signal 1252. Demodulating section 104 demodulates the linearly calculated signal 1252, and thereby a demodulated signal 1253 is obtained.--